

Capstone Introduction


Exercise Objective(s)

EO1: Given a cybersecurity incident scenario with limited information, evaluate the situation, create a plan for a course of action, and execute the plan.

Abstract

The Cybersecurity Capstone combines all the skills acquired over the course and provides an opportunity to demonstrate teamwork and competency. Completing the capstone will require using the technical and communication skills you've learned, as well as critical thinking.

System Requirements

Microsoft Excel will be needed to view all log files. If you do not currently have Microsoft Excel, it can be downloaded by signing up for a **one-month trial**  (<https://www.microsoft.com/en-us/microsoft-365/try?ms.officeurl=try&rtc=1>).

Scenario

ACME Company, a maker of anvils, anvils covers, and anvil protectors, was recently hacked. During the investigation, the previous security team was terminated, and the new Marvin the Martian Security Operations Center (SOC) was formed. To fill the open security engineering and analyst positions, the new Chief Information Security Officer (CISO) has approved a partnership with the Road Runner Corporation for immediate staffing with qualified contractors.

Welcome to ACME Company!

As a contractor working for the Road Runner Corporation, you will be given access to the ACME Company network infrastructure. You are tasked with determining the level of the breach and making recommendations for securing the network. In some cases, the recommended actions may be done in the network, and in some cases, they will be

simulated. Your instructors, playing the role of corporate consultants, will let you know which actions to take and which to simulate.

There are different paths through this activity. The path you choose will determine the specific project tasks and deliverables.

Additional resources from The Road Runner Corporation have been retained to help you should you need them. Do keep in mind utilizing the Road Runner Corporation's senior consultants for assistance is a billable expense at their full hourly rate.

Noteworthy

Active hacking of any environment outside the approved Capstone virtual environments is strictly prohibited. The use of any active penetration tools against Canvas, the ACME Company internet website, or any other public-facing properties will result in a reduced grade and possibly failing the capstone.

Deliverables

During your contract-term with the ACME Company, you will provide updates to leadership. Based on your actions, the CISO will provide further direction.

Additionally, you will be completing reports. Details and requirements will be found in each corresponding assignment. Take notes of everything you do along the way, and ensure the reports are written for the correct audience.

Have specific feedback?

Tell us here! (https://flatironschoolforms.formstack.com/forms/canvas_feedback?CourseID=6641&LessonID=capstone-introduction&LessonType=pages&CanvasUserID=10700&Course=None)